

AMENDMENTS TO THE CLAIMS

Please **CANCEL** claims 1-35 as shown below.

Please **ADD** new claim 36 as shown below.

The following is a complete list of all claims in this application.

Claims 1-35 (Cancelled)

36. (New) An abrasive carbon foam having a density in the range of about 0.1 g/cm³ to about 0.8 g/cm³ manufactured by controlled heating under a non-oxidizing atmosphere a blend of materials comprising:

a starting material having a softening point in the range of about 380°C to about 400°C and wherein said starting material is a coal selected from the group consisting of bitumen, anthracite, lignite or combinations thereof; and

a carbide precursor powder wherein the carbide precursor has a particle size below about 100 microns and wherein the carbide precursor is capable of reacting with carbon during carbonation and graphitization;

wherein said abrasive carbon foam is a semi-crystalline, largely isotropic porous coal-based product and exhibits one or more of the properties selected from the group consisting of a tensile strength in the range of about 300 psi to about 1000 psi, a sheer strength in the range of about 300 psi, and an impact resistance in the range of about 0.3 ft-lbs/in² to about 0.4 ft-lbs/in².